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 ...interference ratio (SIR) of a signal...Multiple Access (WCDMA) v and data symbols...Control (TPC) command, and giving a SIR est (WCDMA) wireless...Control (TPC) verification...means for SIR es data symbols...
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- ☐ 3. METHOD FOR SUPPORTING PILOT BOOST IN E-DCH OF WCDMA LEE, Ju-Ho / CHOI, Sung-Ho / DU, Gaok / LI, Xiaoqiang / Z ELECTRONICS CO., LTD.; BEI JING SAMSUNG TELECOM R & COOPERATION TREATY APPLICATION, May 2005 patno:WO05048491
 ...the received SIR within the...the existing WCDMA system. Data the SIR that the Node...measuring the pilot, or it can...the measu techniques...sends the "TPC UP" command...system, the SIR per s standard...
 Full text available at patent office. For more in-depth search [similar results](#)
- ☐ 4. Method and device for estimating a signal to interference ratio (sir) Jonsson, Elias, UNITED STATES PATENT AND TRADEMARK OFFIC Jan 2006 patno:US20060014487
 ...interference ratio (SIR) of a signal...Multiple Access (WCDMA) v and data symbols...Control (TPC) command, and giving a SIR est (WCDMA) wireless...Control (TPC) verification...means for SIR es and data symbols...
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- ☐ 5. 1 26.01.2002 WCDMA Physical Layer WCDMA Physical Layer (Chap Jan 2002
 ...DPCCH) * j Data (DPDCH) Control...26.01.2002 WCDMA Physice FBI, TPC. Pilot - channel estimation + SIR estimate...in the DL TI (Transmission)...DataDPDCH DPCCH PI LOT TFCI FBI...26.01.2002 Data Channel...

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- ☐ 6. [PILOT SIGNAL TRANSMITTING METHOD AND WIRELESS COMMUNICATION ALLOWING HIGHLY PRECISE MEASUREMENT OF RECEPTION QUALITY](#)
KURODA, Nahoko / LEE, Jinsock / HAMABE, Kojiro / USHIROKAWA (Corporation), *EUROPEAN PATENT APPLICATION*, Apr 2007
patno:EP1777841
...DPCCH contains: the pilot signal, TFCI, FBI, and TPC bits. The purpose is...estimation and SIR measurement. TFCI...transmission format and...downlink circuit. TPC is a field for...control signals. In WCDMA Full text available at patent office. For more in-depth search [similar results](#)
- ☐ 7. [Method For Supporting Pilot Boost In E-Dch Of Wcdma](#)
Lee, Ju-Ho / Choi, Sung-Ho / Du, Gaoke / Li, Xiaoqiang / Zhang, Sheng / *STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*
patno:US20070211684
...generates the TPC commands...SIRest, the pilot power boosting especially...simply as FDD) WCDMA system...Physical Data Channel transport...simply as TPC). [0007...because the pilot is a known...easily...0010] 102D TPC which is...explained. In the WCDMA system Full text available at patent office. For more in-depth search [similar results](#)
- ☐ 8. [Pilot Signal Transmission Method and Radio Communication System of Reception Quality with High Accuracy](#)
Kuroda, Nahoko / Lee, Jinsock / Hamabe, Kojiro / Ushirokawa, Kojiro / *STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*
patno:US20070253450
...EUDCH in WCDMA as an example...transmitting the data of individual (Transmission...reception SIR of pilot signals and...to measure SIR described...the target SIR and then...and sends a TPC signal instructing signals that...when the data size indicated... Full text available at patent office. For more in-depth search [similar results](#)
- ☐ 9. [ITERATIVE DECODING WITH INTENTIONAL SNR/SIR REDUCTION](#)
NILSSON, Johan (Telefonaktiebolaget L M Ericsson (publ)), *TREATY APPLICATION*, Nov 2007
patno:WO07122177
...base stations send TPC commands to users...vice versa. The purpose is...dedicated physical data channels (DPDCHs...signaling (e.g. TPC commands, etc.). WCDMA terminology is...for instance, SIR Full text available at patent office. For more in-depth search [similar results](#)
- ☐ 10. [Quality of Heterogeneous Services with Distributed Resource Management](#)
Das, Pratik / pratik9@gmail.com / Jan 2006
...function PDU Protocol data unit PRACH Physical...protocol SDU to Serving GPRS support node SIR Signal to interference...TM Transmit power...Variable spreading gain WCDMA Wideband Code Transmission Channels... Full text thesis available via ND LTD (Australasian Digital Theses) [similar results](#)

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Jonsson, Elias (TELEFONAKTIEBOLAGET LM ERICSSON (publ) 2004
patno: EP1408635
...and precise SIR estimation...transmitted data. (Background...ir systems...interference ratio (SIR) of received...that is, TPC (Trans be...estimates of the pilot and data symbols are given equal weig command is...inaccurate SIR estimation...
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- ☐ 2. **RELIABILITY DETERMINATION AND COMBINING OF POWER CONTE SOFT-HANDOFF**
OH, Hyukjun / SUBRAHMANYA, Parvathanathan / KASTURI, Messay / HSU, Chih-Ping / RIDDLE, Christopher / SENDONA (QUALCOMM INCORPORATED), *PATENT COOPERATION TREATY* patno: WO04077695
...derived based on a TPC threshold and possibly...scaling factors. a...quantities (e.g., SIR, ECIO, and...transmissions (e.g., T received...derived based on a weight (e.g., a weighted...
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- ☐ 3. **Quality of Heterogeneous Services with Distributed Resource Mana**
Das, Pratik / pratik9@gmail.com , Jan 2006
...function PDU Protocol data unit PRACH Physical...protocol SDU S Serving GPRS support node SIR Signal to interference...TM Transp Transmission power...Variable spreading gain WCDMA Wideband C Transmission Channels...
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- ☐ 4. **METHOD AND APPARATUS FOR COMMUNICATION CHANNEL ERRO**
ANDERSSON, Lennart / WANG, Yi-Pin, Eric / BOTTOMLEY, Gi (TELEFONAKTIEBOLAGET L M ERICSSON (publ)), *PATENT CO APPLICATION*, Nov 2006
patno: WO06122779
...error rates-i. e., data that includes or is...Without coded or know no explicit control...the Wideband CDMA (WCDMA) standards incl TPC bits), but does not include data with error correction...
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- ☐ 5. **Space Time Processing for Third Generation CDMA Systems**
Alam, Fakhrul , Nov 2002
...Beamformer-Rake Receiver for WCDMA Uplink...Beamformer-Ra Uplink...109 7.3 Pilot Symbol Assisted DMI-based...Beamformer-R 110 7.4...based on Measurement Data...20 2.5b Different w e Full text thesis available via NDLD (Virginia Tech) [similar results](#)
- ☐ 6. **Method and device for power control in a wireless communication s**

Andersson, Lennart / Bernhardsson, Bo / Lindoff, Bengt / N (TELEFONAKTIEBOLAGET LM ERISSON (publ)), *EUROPEAN PATENT*, Nov 2004

patno: EP1672813

...updates the SIR reference...for the 3GPP WCDMA system. A...u 105...carries the data bits, the TPC command, the pilot bits and a pilot...determined by the WCDMA spreading...often. The SIR reference Full text available at patent office. For more in-depth search [similar results](#)

- ☐ 7. [Determination of a channel estimate of a transmission channel](#)
Jonsson, Elias / Nilsson, Johan / Lindoff, Bengt (TELEFONAKTIEBOLAGET LM ERISSON (publ)), *EUROPEAN PATENT*, Nov 2004
patno: EP1480350

...error contributions is weighted by a respective weighting factor...weighting factors are selected...information including pilot symbols (TPC) commands, etc. In...therefore, also the SIR estimation performance. Full text available at patent office. For more in-depth search [similar results](#)

- ☐ 8. [Methods and devices for adjustment of transmission parameters](#)
Nilsson, Johan / Lindoff, Bengt (TELEFONAKTIEBOLAGET LM ERISSON (publ)), *EUROPEAN PATENT APPLICATION*, Jun 2006
patno: EP1672812


...specified in WCDMA, such as the...Dedicated Physical Data Channel (TPC) symbols, Transport...for traffic data transmission...that...notations from WCDMA are merely examples...signal-to-interference measure...generates combining weights based on channel... Full text available at patent office. For more in-depth search [similar results](#)

- ☐ 9. [METHOD AND DEVICE FOR POWER CONTROL IN A WIRELESS COMMUNICATION SYSTEM](#)
ANDERSSON, Lennart / NILSSON, Johan / LINDOFF, Bengt / (TELEFONAKTIEBOLAGET LM ERISSON (PUBL)), *PATENT CO APPLICATION*, Jun 2006
patno: WO06066843

...value to the SIR reference value...Power Control (TPC) command system the...a number of data bits are typically...updates the SIR reference value. The...time. Thus the TPC commands that... Full text available at patent office. For more in-depth search [similar results](#)

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Andersson, Lennart / Wang, Yi-Pin Eric / Bottomley, Gregor (TELEFONAKTIEBOLAGET LM ERISSON (publ)), *PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Nov 2006
patno: US20060262754

...about the targeted SIR through the use...that includes data (user) pilot information to...because with only one TPC symbol (ghf) estimate bits on the CPICH and TPC bits. Further, an SIR estimate utilizing... Full text available at patent office. For more in-depth search [similar results](#)

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 ...and precise SIR estimation...transmitted data. (Background...ir systems...interference ratio (SIR) of received...that is, TPC (Trans be...estimates of the pilot and data symbols are given equal weight command is...inaccurate SIR estimation...
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- ☐ 2. Microsoft PowerPoint - MIMO_6_WCDMA_Txdiv_1 [PDF-262K] Dec 2002
 ...Antenna #2 STTD encoded data on P-CC PCH Time...Transmit I WCDMA • space-time coding...coeff. Channel encoder Data Interl STTD encoder STTD encoder...mode2 only) amplitude weighting [http://www.telecomlab.oulu.fi/home/coursematerial/MIMO...] [similar results](#)
- ☐ 3. Feasibility of Smart Antennas for the Small Wireless Terminals Mostafa, Raqibul , Apr 2003
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- ☐ 5. METHOD AND APPARATUS FOR REDUCING INTERFERENCE IN A WIRELESS SYSTEM Willenegger, Serge / Vayanos, Alkinoos Hector / Malladi, Du Edward G. / Grilli, Francesco / Blanz, Josef (QUALCOMM INC STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION) patno:US20080025264
 ...information, such as known pilot bits, Transmit Power Control (TPC) an...Dedicated Physical Data Channel (DPDCH...having NTPC bits of...DPDCH portion of PILOT having NPLOT bits...various aspects which when...
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- ☐ 6. Method and apparatus for reducing interference in a wireless communication system Willenegger, Serge / Vayanos, Alkinoos Hector / Malladi, Du Edward G. / Grilli, Francesco / Blanz, Josef (QUALCOMM INC STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Nov patno:US7292552
 ...information, such as known pilot bits, Transmit Power Control (TPC) an...Dedicated Physical Data Channel (DPDCH...having NTPC bits of...DPDCH portion of PILOT having NPLOT bits...various aspects which when...
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WILLENEGGER, Serge / VAYANOS, Alkinoos Hector / MALLA TIEDEMANN, Edward G. / GRILLI, Francesco / BLANZ, Josef Incorporated), *EUROPEAN PATENT*, Dec 2004
patno:EP1483845
...information, such as known pilot bits, Transmit Power Control (T an...Dedicated Physical Data Channel (DPDCH...portion having N (and...DPCCH portion of PILOT having N (PILOT...various aspects which when...
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...Although the WCDMA standard is emphasized...employing coher and...using a common pilot channel and for...designs for low data for WCDMA Systems (ABRAS...channel k with STTD ($M_k \times 1$) bk for transmit antenna...
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WILLENEGGER, Serge / MALLADI, Durga P. / BLANZ, Josef J INCORPORATED), *PATENT COOPERATION TREATY APPLICATION*, patno:WO03079577
...information, such as known pilot bits, Transmit Power Control (T an...Dedicated Physical Data Channel (DPDCH...having NTPC bits of...DPCCH portion of PILOT having NPLOT bits...various aspects which when...
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WILLENEGGER, Serge / MALLADI, Durga P. / BLANZ, Josef J INCORPORATED), *PATENT COOPERATION TREATY APPLICATION*, patno:WO03079601
...information, such as known pilot bits, Transmit Power Control (T an...Dedicated Physical F Data Channel (DPDCH...having NTPC bits of...DPCCH portion of PILOT having NPLOT bits...various aspects which when...
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Application Received: 04/05/2005

Pat. Num./Pub. Num: /20060014487

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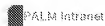
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10445759	7184791	150	05/27/2003	METHODS, RECEIVERS, AND COMPUTER PROGRAM PRODUCTS FOR DETERMINING TRANSMISSION POWER CONTROL COMMANDS USING BIASED INTERPRETATION	JONSSON, ELIAS
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10527896	Not	30	09/28/2005	Method and device for detection of	JONSSON, ELIAS

	Issued			a umts signal	
10530370	Not Issued	30	09/19/2005	Method and device for estimating a signal to interference ratio (sir) in wcdma systems	JONSSON, ELIAS
10542671	Not Issued	30	12/28/2005	Truncation and level adjustment of rake output symbols	JONSSON, ELIAS
10557137	Not Issued	30	07/09/2006	Determination of a channel estimate of a transmission channel	JONSSON, ELIAS
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11858548	Not Issued	30	09/20/2007	Receiver and A Receiving Method	JONSSON, ELIAS
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12107623	Not Issued	20	04/22/2008	Speed-Based, Hybrid Parametric/Non-parametric Equalization	JONSSON, ELIAS
12133636	Not Issued	17	06/05/2008	Method and Apparatus for Efficient Estimation of Interference in a Wireless Receiver	JONSSON, ELIAS
60346745	Not Issued	159	01/07/2002	Power control in mobile radio communications systems	JONSSON, ELIAS
60404718	Not Issued	159	08/19/2002	Selecting a rounded estimate in a receiver of coded digital data symbols	JONSSON, ELIAS
60412375	Not Issued	159	09/20/2002	Method for path-searcher scheduling	JONSSON, ELIAS
60412896	Not Issued	159	09/23/2002	AFC-algorithm with compensation for hardware imperfections	JONSSON, ELIAS
60412897	Not Issued	159	09/23/2002	Anti-windup and emergency procedures for outer loop power controllers using filtered block error rates for WCDMA	JONSSON, ELIAS
60412898	Not Issued	159	09/23/2002	TPC decoding	JONSSON, ELIAS
60412899	Not Issued	159	09/23/2002	Objective multi-path delay selection algorithm for WCDMA	JONSSON, ELIAS

60414055	Not Issued	159	09/27/2002	Method and device for detection of a signal	JONSSON, ELIAS
60418912	Not Issued	159	10/16/2002	Method and device for estimating a signal to interference ratio	JONSSON, ELIAS
60431552	Not Issued	159	12/05/2002	TPC decoding in soft handover	JONSSON, ELIAS
60444778	Not Issued	159	02/04/2003	Optimal scaling of RAKE output symbols for WCDMA	JONSSON, ELIAS
60472483	Not Issued	159	05/21/2003	Method and apparatus for improved DPCH SIR estimation	JONSSON, ELIAS
60479054	Not Issued	159	06/16/2003	Positioning a multipath search window	JONSSON, ELIAS
60479151	Not Issued	159	06/18/2003	Filtering multipath propagation delay values for use in a mobile communications system	JONSSON, ELIAS
60482673	Not Issued	159	06/26/2003	Method and device for detection of a signal	JONSSON, ELIAS
60500413	Not Issued	159	09/05/2003	Positioning of a path searcher window	JONSSON, ELIAS
60638268	Not Issued	159	12/21/2004	Method and device for power control	JONSSON, ELIAS

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60638438	Not Issued	159	12/22/2004	Scaling in a receiver for coded digital data symbols	JONSSON, ELIAS
60671099	Not Issued	159	04/14/2005	Cell selection for MBMS	JONSSON, ELIAS
60719037	Not Issued	159	09/21/2005	Selecting delay values for a rake receiver	JONSSON, ELIAS
60744673	Not Issued	159	04/12/2006	Controlling a power level in a wireless communications system with different scrambling codes	JONSSON, ELIAS
60771855	Not Issued	159	02/10/2006	Channel estimator and method for channel estimation	JONSSON, ELIAS
61012544	Not Issued	20	12/10/2007	Hybrid Parametric/Non-parametric Equalization	JONSSON, ELIAS
61073264	Not Issued	20	06/17/2008	SOFT PILOT SYMBOLS IN A DIGITAL COMMUNICATION SYSTEM	JONSSON, ELIAS

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